## SEQUENCE LISTING

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## <120> COMPOSITIONS AND METHODS FOR REGULATING LYMPHOCYTE ACTIVATION

<130> 980034.408C1

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<170> FastSEQ for Windows Version 3.0

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Asn Gly Thr Leu Met Ala Arg Gly Val Trp Arg Gly Leu Val Gln Pro

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Gly Gly Ser Leu Thr Leu Ser Val Asn Leu Asp Leu Leu Arg Leu Tyr
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Ser
225
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Ile Phe Ser Asn Tyr
Thr Leu Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Phe Val
                            40
Ala Asp Ile Ser Gly Ser Ile Thr Phe Tyr Ala Asp Ser Val Lys Gly
                        55
Arg Phe Thr Ile Ser Arg Asp Asn Ala Gln Asn Thr Val Tyr Leu Gln
                   70
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Met Asn Leu Lys Phe Ala Asp Thr Ala Val Tyr Tyr Cys Ala Ala
                85
Ser Glu Asp Arg Arg Thr Glu Leu Lys Lys Glu Arg Ala Asn Ser Trp
            100
                                105
Phe Pro Ala Arg Lys Phe Met Gln Tyr Glu Tyr Trp Gly Gln Gly Thr
                            120
                                                125
Gln Val Ala Val Ser Ser Glu Pro Lys Thr Pro Lys Pro Gln Pro Gln
                       135
                                           140
Pro Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr Glu Ser Lys Cys Pro
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                                       155
Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Leu Ser Ser
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Pro Pro Lys Pro Lys Asp Val
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Ser Leu Arg Leu Ser Cys Val Ala Ser Gly Arg Ile Phe Thr Ile Arg
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Thr Met Gly Trp Tyr Arg Gln Thr Pro Gly Ile Gln Pro Glu Leu Val
                            40
Ala Glu Ile Thr Ala Asp Gly Ser Gln Asn Tyr Val Asp Ser Val Lys
                        55
Gly Arg Phe Thr Ile Phe Gly Asp Asn Asp Lys Lys Thr Val Trp Leu
                                        75
                   70
Gln Met Asn Ser Leu Lys Ala Glu Asp Thr Ala Asp Tyr Tyr Cys Ala
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85
                                   90
Ala Asp Ile Ile Thr Thr Asp Trp Arg Ser Ser Arg Tyr Trp Gly Gln
           100
                              105
Gly Thr Gln Val Thr Val Ser Ser Glu Pro Lys Thr Pro Lys Pro Gln
                          120
Pro Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr Glu Ser Lys
                       135
                                           140
Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
                   150
                                       155
Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro
                                   170
               165
Glu Val Thr Cys Val Val Val Asp Val Gly Gln Glu Asp Pro Glu Val
                               185
Ser Phe Asn Gly Thr Leu Met Ala Lys Ala Glu Phe
                           200
       195
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Glu Arg Asp Phe Gly Ser Ser
Val Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Phe Val
Ala Ala Ile Asn Trp Ser Val Gly Gly Thr Tyr Tyr Thr Asp Ser Val
                                           60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Val Tyr
Leu Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Ser Cys
               85
                                   90
Ala Val Arg Thr Arg Gln Arg Leu Asn Ile Arg Ala Asp Glu Asp Tyr
                               105
Gly Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Glu Pro Lys
       115
                           120
                                               125
Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro Gln Pro Gln Pro Asn Pro
                       135
                                           140
Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly
                   150
                                       155
Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser
               165
                                   170
Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Val Asp Val Gly Gln
                               185
Glu Asp Pro Glu Val Ser Phe Asn Gly Thr Leu Met Ala Lys Pro Asn
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<213> Llama llama

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Ala Met Thr Trp Tyr Arg Gln Thr Pro Leu Asn Glu Pro Glu Leu Val
                            40
Ala Val Val Gly Gly Gly Ser Thr Leu Tyr Glu Gly Arg Val Lys
                       55
Gly Arg Phe Thr Ile Ser Arg Asp Asn Asp Lys Asn Thr Ala Tyr Leu
Gln Met Asn Ser Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys Gly
                85
                                   90
Ala Ala Ala Ser Ile Leu Ala Ala Ser Ser Ala Glu Thr Val Gln Tyr
                               105
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Leu Glu Pro Lys Thr Pro
                           120
                                               125
Lys Pro Gln Pro Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr
                       135
                                           140
Glu Ser Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro
                   150
                                       155
Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser Ile Ser
                                   170
Gly Arg Pro Glu Val Thr Cys Val Val Val Asp Val Gly Gln Glu Asp
                               185
Pro Glu Val Ser Phe Asn Gly Thr Leu Met Ala Lys Pro Asn
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      <213> Llama llama
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Ile Arg Leu Val Glu Ser Gly Gly Leu Val Gln Arg Gly Ala
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Ser Leu Arg Leu Thr Cys Val Val Ser Gly Ile Phe Val Asp Arg Trp
                               25
Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Gln Lys Pro Leu Phe Val
Ala Ser Ile Ala Trp Asp Gly Asp Glu Thr Trp Tyr Gly Asp Ser Val
Lys Gly Arg Phe Thr Val Ser Arg Asp Val Ala Lys Asn Ser Val Tyr
                   70
                                       75
Leu Gln Leu Ala Asn Leu Gln Pro Glu Asp Thr Ala Thr Tyr Ser Cys
Ala Ala Leu Asn Gly Ala Trp Pro Ser Ser Ile Ala Thr Met Thr Pro
           100
                               105
Asp Leu Gly Trp Trp Gly Gln Gly Thr Gln Val Thr Val Ser Leu Glu
                           120
                                               125
Pro Lys Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro Asn Pro
                       135
                                           140
Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly
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155

150

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Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser
                                   170
Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Val Asp Val Gly Gln
                               185
           180
                                                    190
Glu Asp Pro Glu Val Ser Phe Asn Gly Thr Leu Met Ala Lys Pro Asn
                            200
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                                    10
Ser Leu Lys Leu Ser Cys Val Ala Ser Gly Arg Asn Phe Ser Ser Tyr
                               25
His Met Ala Trp Phe Arg Gln Thr Pro Asp Lys Glu Pro Glu Phe Val
                            40
Ala Val Ser Trp Lys Gly Gly Ser Glu Tyr Tyr Lys Asn Ser Val Lys
                        55
Gly Arg Phe Thr Leu Ser Arg Asp Gly Ala Lys Asn Thr Val Tyr Leu
                   70
                                       7.5
Gln Met Asn Ser Leu Lys Pro Glu Asp Ser Gly Val Tyr Tyr Cys Ala
Ala Asp Asp His Val Thr Arg Gly Ala Ser Lys Ala Ser Tyr Arg Tyr
                                105
Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Glu Pro Lys Thr Pro
                            120
                                                125
Lys Pro Gln Pro Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr Glu Ser
                       135
Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val
                   150
                                       155
Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser Ile Ser Gly Arg
               165
                                   170
Pro Glu Val Thr Cys Val Val Val Asp Val Gly Gln Glu Asp Pro Glu
                               185
Val Ser Phe Asn Gly Thr Leu Met Ala Lys Pro Asn
       195
                            200
     <210> 8
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Ile Arg Leu Val Glu Ser Gly Gly Leu Val Gln Ala Gly Gly
                                    10
Ser Leu Arg Leu Ser Cys Thr Ala Ser Gly Arg Thr Phe Ser Arg Tyr
Tyr Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Ser Val
                           40
Ala Leu Ile Ser Arg Ser Gly Gly Ser Thr Asp Tyr Ala Asp Ser Val
   50
                       55
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Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Pro Tyr
                    70
                                         75
Leu Gln Met Asn Ser Leu Ile Pro Glu Asp Thr Ala Asp Tyr Tyr Cys
                85
                                    90
Ala Ala Asn Ile Ala Ala Gly Trp Asp Thr Leu Ser Arg Asp Trp Arg
            100
                                105
Asp Lys Arg Thr Tyr Ser Tyr Trp Gly Gln Gly Thr Gln Val Thr Val
                            120
Ser Ser Glu Pro Lys Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro Gln
                                            140
Pro Asn Pro Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro Ala Pro Glu
                    150
                                        155
Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp
                                    170
Val Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Val Asp
                                185
Val Gly Gln Glu Asp Pro Glu Val Ser Phe Asn Gly Thr Leu Met Ala
                            200
Lys Pro Asn
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      <210> 9
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Ile Arg Leu Leu Val Glu Ser Gly Gly Gly Leu Val Gln Ala Gly Asp
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Arg Thr Phe Thr Asn Tyr
                                25
Ala Met Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Pro Glu Phe Val
                            40
Ala Arg Ile Ser Arg Val Gly Ser Ser Thr Phe Tyr Thr Asp Ser Val
                        55
                                            60
Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Met Tyr
                   70
                                        75
Leu Gln Met Asn Ser Met Lys Ala Glu Asp Thr Ala Val Tyr Tyr Cys
                                    90
Ala Ala Asp Ser Asp Tyr Gly Pro Gly Arg Arg Ser Ser Glu Tyr Asp
                                105
Tyr Trp Gly Gln Gly Thr Gln Val Thr Val Ser Ser Glu Pro Lys Thr
                            120
Pro Lys Pro Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr Glu
                       135
                                            140
Ser Lys Cys Pro Lys Arg Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser
                   150
                                       155
Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser Ile Ser Gly
               165
                                   170
Arg Pro Glu Val Thr Cys Val Val Val Asp Val Gly Gln Glu Asp Pro
           180
                                185
Glu Val Ser Phe Asn Gly Thr Leu Met Ala Lys Pro Asn
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<210> 11 <211> 217 <212> PRT <213> Llama llama

<400> 11

 Ile Arg Leu Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Asp

 1
 5
 10
 15

 Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Val Phe Thr Leu Asp Asp
 20
 25
 30

 Tyr Ala Ile Gly Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly
 35
 40
 45

 Val Ile Cys Met Ser Ala Ser Asp Gly Ser Thr Tyr Tyr Ser Asp Ser
 50
 55
 60

 Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Asp Lys Asn Thr Leu
 65
 70
 75
 80

 Tyr Leu Gln Met Glu Arg Leu Lys Pro Glu Asp Thr Ala Thr Tyr Tyr
 85
 90
 95

 Cys Ala Ala Ala Asn Tyr Leu Gly Arg Val Arg Gly Ser Ala Ile Arg Ala

```
100
                              105
Ala Asp Tyr Cys Ser Gly Ser Gly Ser Val Val Tyr His Phe Trp Gly
                           120
                                               125
Gln Gly Thr Gln Val Thr Val Ser Ser Glu Pro Lys Thr Pro Lys Pro
                       135
Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr Glu Ser Lys Cys
                    150
                                        155
Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile
                165
                                    170
Phe Pro Pro Lys Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Glu
                               185
Val Thr Cys Val Val Val Asp Val Gly Gln Glu Asp Pro Glu Val Ser
                           200
Phe Asn Gly Thr Leu Met Ala Glu Phe
                        215
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      <211> 219
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Ile Arg Leu Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
                                    10
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Val Phe Thr Arg Asp Tyr
                                25
Tyr Val Ile Ala Trp Phe Arg Gln Ala Pro Gly Lys Glu Arg Glu Gly
                           40
Val Ser Cys Ile Ser Thr Arg Gly Ser Thr Tyr Tyr Ala Asp Ser Val
                       55
Lys Gly Arg Phe Ala Ile Ser Gly Asp Asn Asp Lys Met Thr Val Tyr
                   70
                                      75
Leu Gln Met Asn Asn Leu Lys Pro Glu Asp Thr Ala Val Tyr Tyr Cys
               85
                                   90
Gly Ala Leu Ile Asn Trp Tyr Ser Pro Pro Asn Thr Asp Tyr Asp Ser
           100
                               105
Ala Trp Cys Arg Gly Arg Ser Leu Gly Asp Tyr Gly Leu Asp Tyr Trp
                           120
Gly Lys Gly Thr Leu Val Thr Val Ser Ser Glu Pro Lys Thr Pro Lys
                       135
Pro Gln Pro Gln Pro Gln Pro Asn Pro Thr Thr Glu Ser Lys
                   150
                                       155
Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
               165
                                   170
Ile Phe Pro Pro Lys Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro
                               185
                                                   190
Glu Val Thr Cys Val Val Val Asp Val Gly Gln Glu Asp Pro Glu Val
                           200
Ser Phe Asn Gly Thr Leu Met Ala Lys Pro Asn
                       215
     <210> 13
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## <213> Llama llama

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<400> 14

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Val Ser Ser Glu Pro Lys Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro
                        135
Gln Pro Gln Pro Asn Pro Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro
                    150
                                        155
Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys
                165
                                    170
Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val
            180
                                185
Val Val Asp Val Gly Gln Glu Asp Pro Glu Val Ser Phe Asn Gly Thr
                             200
Leu Met Ala Ser Arg Ile
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      <211> 204
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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Val Leu Thr Phe Asp Asp
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Tyr Asp Ile Gly Trp Phe Arg Gln Ala Pro Glu Lys Asp Arg Glu Gly
                            40
Val Ser Cys Ile Ser Ala Thr Asp Asn Thr Thr Tyr Tyr Ser Asp Ser
Val Lys Gly Arg Phe Thr Ile Ser Ser Asn Asn Ala Glu Asn Thr Val
Tyr Leu Gln Ile Asn Ser Leu Gln Pro Glu Asp Thr Ala Val Tyr His
Cys Ala Ala Val Arg Ser Trp Val Lys Ser Ile Tyr Ser Arg Thr Trp
                                105
Cys Thr Asp Leu Tyr Leu Glu Val Trp Gly Gln Gly Thr Leu Val Thr
        115
                            120
Val Ser Ser Glu Pro Lys Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro
                        135
                                            140
Gln Pro Leu Pro Asn Pro Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro
                    150
                                        155
Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys
                165
                                    170
Pro Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val
                                185
Val Val Asp Val Gly Gln Glu Asp Pro Ser Arg Ile
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      <213> Llama llama
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Glu Pro His Gly Gly Cys Thr Cys Pro Gln Cys Pro Ala Pro Glu Leu
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Pro Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys Pro Lys Asp Val
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Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Val Asp Val
                            40
Gly Lys Glu Asp Pro Glu Val Asn Phe Asn Trp Tyr Ile Asp Gly Val
                        55
Glu Val Arg Thr Ala Asn Thr Lys Pro Lys Glu Glu Gln Phe Asn Ser
                    70
                                        75
Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln His Gln Asp Trp Leu
                                    90
Thr Gly Lys Glu Phe Lys Cys Lys Val Asn Asn Lys Ala Leu Pro Ala
Pro Ile Glu Arg Thr Ile Ser Lys Ala Lys Gly Gln Thr Arg Glu Pro
                           120
Gln Val Tyr Thr Leu Ala Pro His Arg Glu Glu Leu Ala Lys Asp Thr
                       135
Val Ser Val Thr Cys Leu Val Lys Gly Phe Tyr Pro Ala Asp Ile Asn
                    150
                                        155
Val Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser Glu Gly Thr Tyr Ala
                165
                                    170
Asn Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr Tyr Phe Leu Tyr Ser
            180
                               185
Arg Leu Ser Val Gly Lys Asn Thr Trp Gln Arg Gly Glu Thr Leu Thr
                            200
Cys Val Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
                        215
Ile Thr Gln Ser Ser Gly Lys
      <210> 17
      <211> 231
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Pro Gly Gly Pro Ser Val Phe Val Phe Pro Pro Lys Pro Lys Asp Val
Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Val Asp Val
                            40
Gly Lys Glu Asp Pro Glu Val Asn Phe Asn Trp Tyr Ile Asp Gly Val
Glu Val Arg Thr Ala Asn Thr Lys Pro Lys Glu Glu Gln Phe Asn Ser
                                        75
                    70
Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln His Gln Asp Trp Leu
Thr Gly Lys Glu Phe Lys Cys Lys Val Asn Asn Lys Ala Leu Pro Val
                                105
Pro Ile Glu Arg Thr Ile Ser Lys Ala Lys Gly Gln Thr Arg Glu Pro
                            120
Gln Val Tyr Thr Leu Ala Pro His Arg Glu Glu Leu Ala Lys Asp Thr
                        135
                                            140
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Val Ser Val Thr Cys Leu Val Lys Gly Phe Tyr Pro Ala Asp Ile Asn

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145
                   150
                                 155
Val Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser Glu Gly Thr Tyr Ala
               165
                                   170
Asn Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr Tyr Phe Leu Tyr Ser
           180
                               185
Lys Leu Ser Val Gly Lys Asn Thr Trp Gln Arg Gly Glu Thr Leu Thr
                           200
Cys Val Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
                        215
Ile Thr Gln Ser Ser Gly Lys
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      <212> PRT
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Glu Pro Lys Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro Gln Pro Asn
                                    10
Pro Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro Ala Pro Glu Leu Leu
                                25
Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Val Leu
                            40
Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val Val Asp Val Gly
                        55
Gln Glu Asp Pro Glu Val Ser Phe Asn Trp Tyr Ile Asp Gly Ala Glu
                   70
                                       75
Val Arg Thr Ala Asn Thr Arg Pro Lys Glu Glu Gln Phe Asn Ser Thr
                                   90
Tyr Arg Val Val Ser Val Leu Pro Ile Gln His Gln Asp Trp Leu Thr
           100
                               105
Gly Lys Glu Phe Lys Cys Lys Val Asn Asn Lys Ala Leu Pro Ala Pro
                           120
                                               125
Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Thr Arg Glu Pro Gln
                       135
Val Tyr Thr Leu Ala Pro His Arg Glu Glu Leu Ala Lys Asp Thr Val
                   150
                                       155
Ser Val Thr Cys Leu Val Lys Gly Phe Tyr Pro Pro Asp Ile Asn Val
               165
                                   170
Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser Glu Gly Thr Tyr Ala Thr
           180
                               185
Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr Tyr Phe Leu Tyr Ser Lys
                           200
Leu Ser Val Gly Lys Asn Thr Trp Gln Gln Gly Glu Thr Phe Thr Cys
                       215
                                           220
Val Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Ile
                   230
Thr Gln Ser Ser Gly Lys
               245
     <210> 19
     <211> 248
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## <213> Llama llama

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<212> PRT

<213> Llama llama

<400> 20

Glu Pro Lys Thr Pro Lys Pro Gln Pro Gln Pro Gln Pro Gln Pro Gln 15

Pro Gln Pro Asn Pro Thr Thr Glu Ser Lys Cys Pro Lys Cys Pro Ala 20

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro 35

Lys Asp Val Leu Ser Ile Ser Gly Arg Pro Glu Val Thr Cys Val Val 50

Val Asp Val Gly Gln Glu Asp Pro Glu Val Ser Phe Asn Trp Tyr Ile 65

Asp Gly Ala Glu Val Arg Thr Ala Asn Thr Arg Pro Lys Glu Glu Gln 61

85

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Phe Asn Ser Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln His Gln
                               105
Asp Trp Leu Thr Gly Lys Glu Phe Lys Cys Lys Val Asn Asn Lys Ala
                           120
Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Thr
                       135
                                           140
Arg Glu Pro Gln Val Tyr Thr Leu Ala Pro His Arg Glu Glu Leu Ala
                   150
                                       155
Lys Asp Thr Val Ser Val Thr Cys Leu Val Lys Gly Phe Tyr Pro Pro
               165
                                    170
Asp Ile Asn Val Glu Trp Gln Arg Asn Gly Gln Pro Glu Ser Glu Gly
                               185
Thr Tyr Ala Thr Thr Pro Pro Gln Leu Asp Asn Asp Gly Thr Tyr Phe
       195
                           200
Leu Tyr Ser Lys Leu Ser Val Gly Lys Asn Thr Trp Gln Gln Gly Glu
                       215
Thr Phe Thr Cys Val Val Met His Glu Ala Leu His Asn His Tyr Thr
                230
                                        235
Gln Lys Ser Ile Thr Gln Ser Ser Gly Lys
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